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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,040	03/02/2004	Kenichi Ao	01-561	9741
23400	7590 11/22/2006		EXAMINER	
POSZ LAW GROUP, PLC			AURORA, REENA	
12040 SOUTH LAKES DRÍVE SUITE 101			ART UNIT	PAPER NUMBER
RESTON, VA	A 20191		2862	
			DATE MAILED: 11/22/2000	6

Please find below and/or attached an Office communication concerning this application or proceeding.

·	Application No.	Applicant(s)			
	10/790,040	AO, KENICHI			
Office Action Summary	Examiner	Art Unit			
	Reena Aurora	2862			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period vorce and the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	J. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
 1) Responsive to communication(s) filed on 21 Section 21 Section 21 Section 22 Section 22	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 15 and 17 is/are pending in the application 4a) Of the above claim(s) 17 is/are withdrawn full 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 15 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	rom consideration.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. Settion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
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Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)			
2) Notice of Preferences Cited (FTO-032) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate			

DETAILED ACTION

Claim 17 is withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 09/21/06.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over JP 62-201957 in view of JP 04284609 and further in view of JP 09079866.

As to claim 15, JP 62-201957 (hereinafter JP'957) discloses a mold-type magnetic resistance element as detecting sensor including a magnetic sensor chip (2, fig. 1); a chip mounting member (1) on which the magnetic sensor chip (2) is mounted at a mounting position; an adhesive material (5, fig. 3) for bonding the magnetic sensor chip (2) to the chip mounting member (1) and an encapsulating material (4, fig. 1 and 2) for encapsulating the magnetic sensor chip (2). JP'957 fails to show a magnetic-field generating portion formed by magnetizing the encapsulating material, wherein the magnetic sensor chip comprises multiple magneto-resistance elements for forming MRE

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bridges, each of the multiple MREs having a detection axis. JP 04284609 (hereinafter JP'609) discloses a chip inductor wherein a magnetic substance is formed by kneading a magnetically soft substance powder with a thermostat resin, wherein the magnetic sensor chip comprises multiple magneto-resistance elements for forming MRE bridges, each of the multiple MREs having a detection axis (fig. 4). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the device of JP'957 with the teachings of JP'609 such that magnetizing the encapsulated material would provide an increased surface of the magnetic field generating portion. JP'957 and JP '609 fails to show that the magnetic field generating portion is inclined for biasing at an angle of 45 degrees to respective detection axes of the MREs. JP 09079866 (hereinafter JP '866) discloses a magnetic detecting sensor wherein the magnetic field generating portion (13) is inclined for biasing at an angle of 45 degrees to respective detection axes of the MREs (11, 12, fig. 3). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the device of JP'957 with the teachings of JP'609 and further with the teachings of JP '866 such that the magnetic field generating portion is inclined for biasing at an angle of 45 degrees to respective detection axes of the MREs would reduce the error in the signal generated by MREs, thereby increasing the efficiency of the device.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reena Aurora whose telephone number is 571-272-2263. The examiner can normally be reached on Monday - Friday, 7:00 - 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, E. Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Reena Aurora

REENA AURORA PRIMARY EXAMINER TECHNOLOGY CENTER 2800

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